Species Tag:	31006	Species Name:	Methoxy
Version:	1		CH3O
Date:	1/2/2006		
Contributor:	H. M. Pickett		
Lines Listed:	10936	Q(300.0)=	19611.012
Freq. (GHz) <	3000	Q(225.0)=	13418.377
Max. J:	20	Q(150.0)=	7306.342
LOGSTR0=	-8.0	Q(75.00)=	2279.817
LOGSTR1=	-8.0	Q(37.50)=	703.720
Isotope Corr.:	0.0	Q(18.75)=	248.428
Egy. (cm^{-1}) >	0.0	Q(9.375)=	101.742
μ_a =	2.12	A=	513887.
μ_b =	0.	B=	27930.123
μ_c =	0.	C=	B

The observed lines are from: Y. Endo, S. Saio, and E. Hirota, 1984, J. Chem. Phys. **81**, 122. The dipole moment was calculated by: C. F. Jackels, 1982, J. Chem. Phys. **76**, 505. While there is a b-type dipole allowed by symmetry, its value was set to zero for this prediction. The transitions with $\Delta K \neq 0$ have at least 10 GHz uncertainty. The quanta are N,K,v,t,F where v = 0 for Λ = 1 and v = 1 for Λ = -1. The spin designation, t, is

t	N- F	J - F	sym	I_{tot}
0	-2.0	-1.5	0	1.5
1	-1.0	-0.5	2	0.5
2	-1.0	-0.5	4	0.5
3	-1.0	-0.5	0	1.5
4	-1.0	-1.5	0	1.5
5	0.0	0.5	2	0.5
6	0.0	0.5	4	0.5
7	0.0	-0.5	2	0.5
8	0.0	-0.5	4	0.5
9	0.0	0.5	0	1.5
10	0.0	-0.5	0	1.5
11	1.0	0.5	2	0.5
12	1.0	0.5	4	0.5
13	1.0	1.5	0	1.5
14	1.0	0.5	0	1.5
15	2.0	1.5	0	1.5

where sym = 0, 2, 4 for A,E,E respectively.